Deaths due to radiation

4130. DR. BIPLAB DASGUPTA: Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that there has been cases of death in Mumbai recently, at least five of them attributing to radiation over exposure;

(b) if so, what steps Government are taking to prevent the cases of over exposure; and

(c) whether the computerised radiation treatment procedure is also being reviewed?

THEMMSTEROF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE): (a) No, Sir.

(b) In view of (a) above, does not arise.

(c) The functioning and accuracy of the computerised treatment planning systems is to be monitored by the radiation oncologists in medical institutions using radiotherapy equipment. In response to a recent incident abroad, the Atomic Energy Regulatory Board (AERB) has informed all the radiotherapy departments to verify their treatment planning systems to ensure that no accidental over-exposures occur in their institutions.

Profit of Indian Rare Earths Ltd.

4131. SHRI N.K. PREMACHANDRAN: Will the PRIME MINISTER be pleased to state :

(a) what is the unit-wise profit of Indian Rare Earths Ltd. during the last three financial years;

(b) whether there is any proposal pending regarding 'he expansion and diversification of Chavasa IRE plant;

(c) if so, the details thereof; and

(d) the details of the welfare measures undertaken by Chavasa IRE unit in the mining area during the last year ?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE): (a) The Indian Rare Earths Ltd. a Public Sector Undertaking of the Department of Atomic Energy operates its

units at Chavara, Manvalakurchi, Alwaye and the Orissa Sands Complex (OSCOM). The unit-wise profit/loss figures of IREL, for the last three years, are as follows:

(Rs. in Lakh)

UNIT	PROFIT BEFORE TAX		
	2000-2001	1999-2000	1998-1999
Chavara	2701	3969	3517
Manvalakurchi	1442	32	401
Rare Earths Division Alwaye	20	(842)	(707)
Orissa Sands Complex (OSCOM)	536	(951)	(2242)
RO. (Mumbai) Exp.	105	140	(33)
TOTAL:	4804	2348	936

Profit figures indicated for all the years are after adjustment of Monazite from the Manvalakurchi unit to the Rare Earths Division, Alwaye.

(b) Yes, Sir.

(c) There is a proposal to expand IREL's Chavara plant production capacity from the present level of 1,54,000 MT/year to 2,00,000 MT/year of Ilmenite and associated minerals. The project report has been prepared and the estimated cost of the project is Rs.46 crore. Action is in progress for the implementation of the project.

(d) The following welfare measures wc. - undertaken by IREL's Chavara Unit in the mining area during the last year:

1. Repair of Panickerkadavu Bridge.
2. Repairs and Construction of road to resettlement colony/mining area.
3. Electric connection to resettlement area.

4. Water supply to resettlement colony.

5. Drainage facility at resettlement colony and other public health works in the mining area.

6. Repairs to residential building at resettlement colony.

7. Cost of chairs, books, etc. to schools in the mining areas.

8. Eye camp at mining area.

9 Contribution to the Mining Area Welfare Board. .

Long Term Plan for nuclear power generation

4132. SHRI ANANTA SETHI: Will the PRIME MINISTER be pleased to state :

(a) whether Government have a proposal to draw a long term plan till 2012 to generate nuclear power;

(b) if so. the total MW of nuclear power expected to be generated by that year;

(c) whether any effort is being made to build advanced nuclear reactors with a view to generate additional nuclear power;

(d) if so. by when the nuclear reactor would be built; and

(e) what other steps are being taken to increase power generation through nuclear power plants?

THE MINISTER OF STATE IN THE DEPARTMENT OF ATOMIC ENERGY (SHRIMATI VASUNDHARA RAJE): (a) Yes. sir.

(b) A total nuclear power generation capacity of 9100 MWe is proposed to be achieved by the year 2011-2012 (end of the Eleventh Five Year Plan) subject to the availability of financial resources.

(c) to (e) Technology for nuclear power reactors has been progressively upgraded for enhancing their safety, reliability and unit sizes. Technology for